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Ck# 2365

Rec't#

Mail to: SD DANR, Water Rights 523 E Capitol Ave Pierre, SD 57501-3182 ph. (605) 773-3352	No. <u>8769-3</u> Hydrologic Unit <u>10170101</u> Basin <u>Lewis and Clark Lake</u> Newspaper <u>Elk Point/Southern Union City Leader-Courier</u> (tribe) <u>Yankton Daily Press-Dakota</u> (office use only)
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Application for Permit to Appropriate Water for Irrigation

Type of Application: ☒ New ☐ Vested Right ☐ Amendment/Correction to Permit No. _____
(Use predates Mar 2, 1955)

Description of amendment/correction: (i.e. change diversion point(s), add diversion point(s), change use, etc.)

- Name to Appear on Irrigation Permit Gordon Beermann
Note: The "Name to Appear on Irrigation Permit" must be the name in which the property to be irrigated is held in.
Mailing Address Po box 111 Elk Point SD 57025
(Address) (City) (State) (Zip Code)
Phone _____ Mobile 712-253-5199 Email bsn.gordon@gmail.com
- Amount of water claimed 1.38 *CFS or 800 **GPM _____ ***AF Total Acreage 120
(*Cubic Feet per Second) (**Gallons per Minute) (***)Acre Feet - storage capacity of dam/dugout or annual use if applicable)
- Source of water supply well
- Location of point of diversion 7 90 49 SW 1/4 SE 1/4 NE 1/4 section 12-T104N-R53W
(example - 3 wells in SW 1/4 NE 1/4 section 12-T104N-R53W)
LESS FINNEY TR 1 SW 1/4 SE 1/4 SE 1/4 SW 1/4 County Union
- County or counties where water will be used Union
- Annual period during which water is to be used April - September 30
- List below each forty-acre division, or lot, or fraction thereof and show number of acres to be irrigated in each.
(Attach sheet if more space is needed)

Land Description	Acres	Land Description	Acres
<u>NE 1/4 SW 1/4</u>	<u>40</u>		
<u>SE 1/4 SW 1/4</u>	<u>40</u>		
<u>NW 1/4 SE 1/4</u>	<u>20</u>		
<u>SW 1/4 SE 1/4</u>	<u>20</u>		

8. Give a description of the project. (Attach sheet if more space is needed)

Well for center pivot.

Requesting a greater diversion rate than statutory limit.

I, Gordon Beermann, the applicant, certify under
Name of Person Title (if applicable)

penalty of perjury that I have read this application, examined the attached map, and that the matters stated are true. I further certify, if acting on behalf of an entity or individual other than myself, that I am authorized to submit this application.

Supplemental Information

(type or print)

1. Well Information (check one or both as applicable)

☒ Drilling new well(s) ☐ Using existing well(s)

- a) If new wells, how many 1 Have test holes been drilled? ☐ Yes ☒ No Drilled by _____
(if yes, please provide copies of logs)
- b) If existing wells, how many 0 Provide copy of log(s), if available. Drilled by _____

For either existing or proposed wells:

- c) Well Depth (required) 25 Depth to Top of Water Bearing Material _____ Depth to Water from Surface _____
- d) Distance to nearest domestic well on applicant's property 0 Property owned by others 0

2. Wastewater Disposal System Information

- a) Type of System (i.e. septic tank, drain field) _____
- b) System Capacity (gallons) _____ Year Constructed _____
- c) Connected to the City of _____ Sanitary System

3. Dugout Information

- a) Surface Dimensions _____ Depth _____
- b) Depth to water (ground surface to water level) _____

4. Water Storage Dams

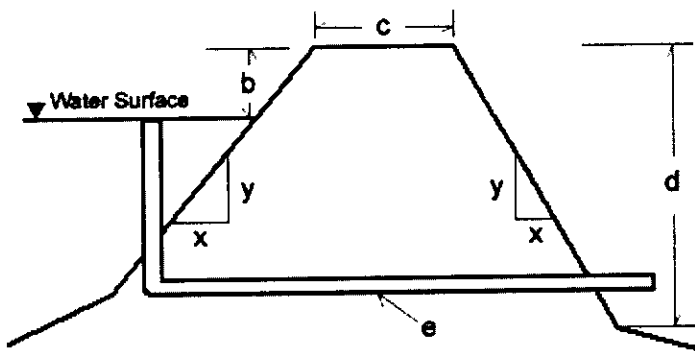
If the proposed water use system contains one or more storage dams, please furnish the information requested below for each dam. The locations of the dams need to be shown on the map submitted with the application.

- a) If a private engineering firm or government agency was involved in the design of this dam, please give their name and address:

- b) Freeboard _____
- c) Crest Width _____
Crest Length _____
- d) Height _____
- e) Primary Outlet Capacity _____

If pipe, diameter _____

- f) Secondary Spillway Capacity _____
Spillway Width _____
- g) X & Y Slope (e.g. 3 to 1 is a typical slope)
Upstream _____
Downstream _____
- h) Area of Impoundment _____
- i) Storage _____ Acre Feet
- j) Drainage Area Above Dam _____ Acres





90N 50W
Section: 01

90N 49W
Section: 06

90N 49W
Section: 05

90N 50W
Section: 12

90N 49W
Section: 07

90N 49W
Section: 08

10170101 Lewis and Clark Lake

90N 50W
Section: 13

90N 49W
Section: 18

90N 49W
Section: 17

90N 49W

90N 50W

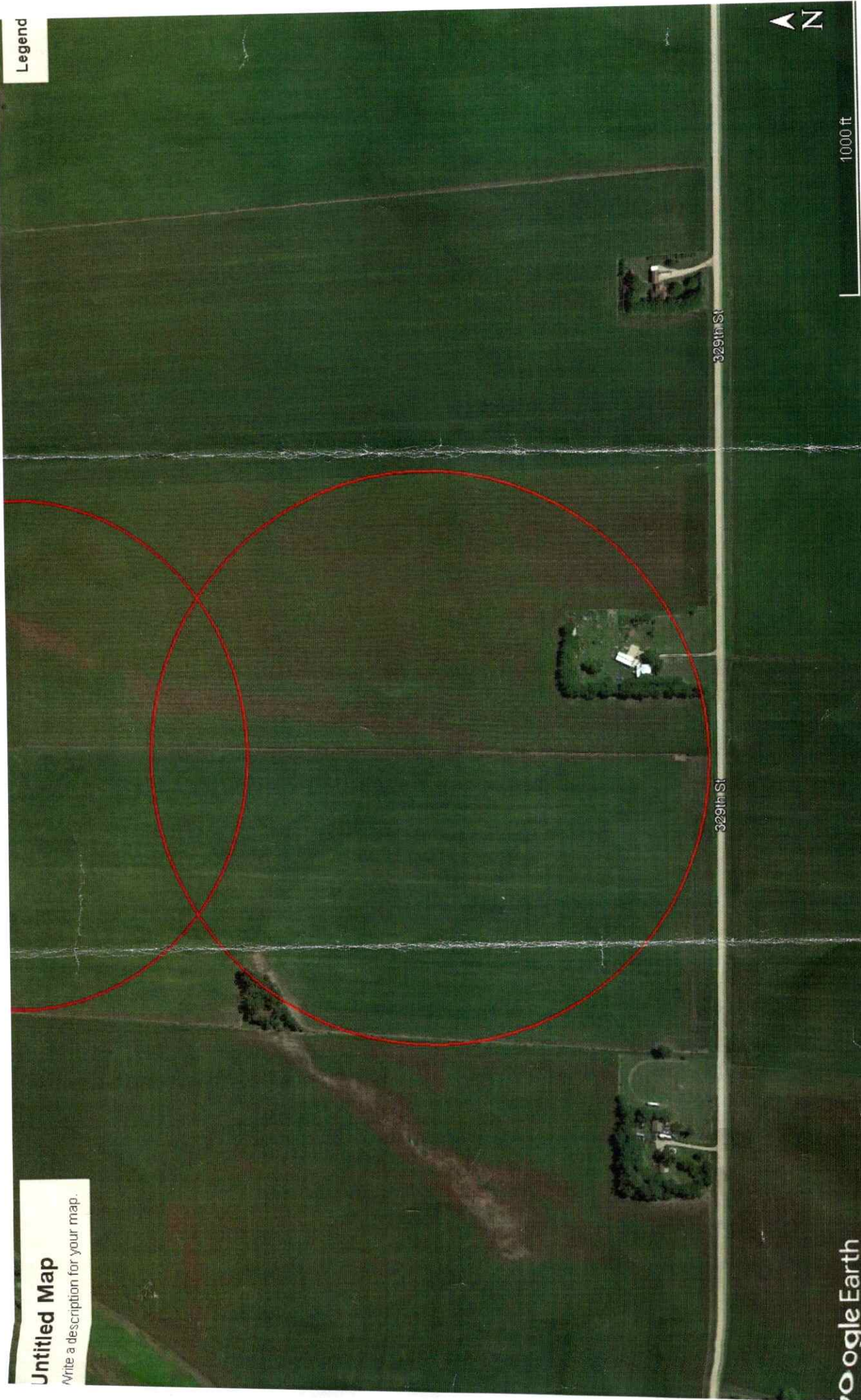
90N 49W



Legend

Untitled Map

Write a description for your map.



◀ N

1000 ft

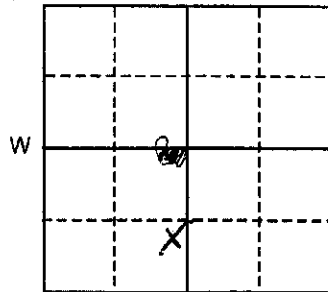
Google Earth

8769-3

SD EForm - 1621LD V1

SOUTH DAKOTA WATER WELL COMPLETION REPORT

11-02

Location SE 1/4 SW 1/4 Sec 7 Twp 46-50-N Rg 4-30County Unionper AM
North 7/13/23 WPlease mark well
location with an "X"

Well Completion Date

5-12-23

1 Mile

Distance to nearest potential pollution source (septic tank, abandoned well, feed lot, etc.)?
1090 ft. from Septic tank (Identify source)

PROPOSED USE:

☐ Domestic/Stock ☐ Municipal ☐ Business ☐ Test holes
☒ Irrigation ☐ Industrial ☐ Institutional ☐ Monitoring well

METHOD OF DRILLING:

CASING DATA:

If other describe

PIPEWEIGHT	DIAMETER	FROM	TO	HOLE DIAMETER
<u>160</u> LB/FT	<u>16</u> " IN	<u>0</u> FT	<u>50</u> FT	<u>28</u> " IN
LB/FT	IN	FT	FT	IN
LB/FT	IN	FT	FT	IN

GROUTING DATA:

Grout Type	No. of Sacks	Grout Weight	From	To
<u>Cement</u>	<u>113</u>	Lb/gal	<u>0</u> Ft	<u>50</u> Ft
		Lb/gal	Ft	Ft

Describe grouting procedure

Pumped down w/ pressure Grouter

SCREEN:

☐ Perforated pipe ☒ Manufactured
 Diameter 16 inches Length 40 Feet
 Material PVC
 Slot Size .050 Set From 50 Feet to 90 Feet

Other information

WAS A PACKER OR SEAL USED?

☐ Yes ☒ No

If so, what material?

Describe packer(s) and location

DISINFECTION: Was well disinfected upon completion?

☒ Yes, How? Chlorine☐ No, Why Not?Lab to which water
quality sample sent for analysis

Well Owner:

Gordon Beerman

Business Name:

Address:

PO Box 111

City, State, Zip:

Elk Point SD 57025

WELL LOG:

DEPTH

FORMATION	FROM	TO
Brown Top Soil	0	5
Gray clay	5	20
Medium Sand	20	35
Fine Sand	35	50
Medium Gravel	50	70
Gravel & Rocks	70	90

STATIC WATER LEVEL

18'

FEET

If flowing: closed in pressure

PSI

GPM flow

through

Inch pipe

Controlled by

☐ Valve☐ Reducers☐ Other

Reduced flow rate

GPM

Can well be completely shut in?

WELL TEST DATA:

☐ Pumped Describe:Pumped w/ turbine pump☐ Bailedtest pumped w/ engine☐ Other

Pumping Level Below Land Surface

30Ft. After 2

Hrs. pumped

800

GPM

Ft. After

Hrs. pumped

GPM

If pump installed, pump rate:

650

GPM

REMARKS

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JUL 13 2023

OFFICE OF
WATER

This well was drilled under license #

444

and this

report is true and accurate.

Drilling firm:

Christensen Well & Irrigation

Signature of License Representative:

Carly Christensen

Signature of Well Owner or Equitable Property Holder:

Date:

7/11/23